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PCMCIA Specialty Communications

PCM-COM422

FEATURES

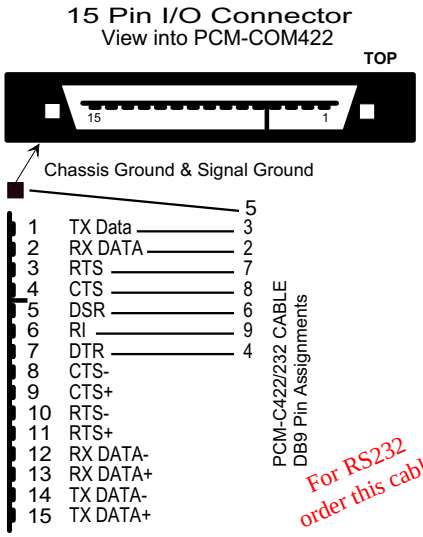
RS422 or RS232
COM1, COM2, COM3 or COM4.
5, 6, 7 or 8 bit character length, even, odd or no parity.
RTS, DTR or CTS handshaking.
115K Baud RS232 or RS422.
16550 ASYNCH chip has 16 byte data buffer.

The PCM-COM422 is a 100% IBM Asynch adapter compatible serial interface. It adds one EIA compliant RS422/RS232 serial communications port to your computer.

The choice of RS232 or RS422 is made by selecting a cable that brings out the signals for one interface or the other. The RS422 interface support longer transmission lines (up to 1.2 Kilometers) and is often the interface of choice for instruments.

The COM1, 2, 3 or 4 selection is completed through software. All PCMCIA boards require that card and socket services be installed for that board. Part of the installation procedure involves setting the PCM-COM422 operation parameters using *Insta*Cal, the free installation, calibration and test program shipped with every ComputerBoards interface board.

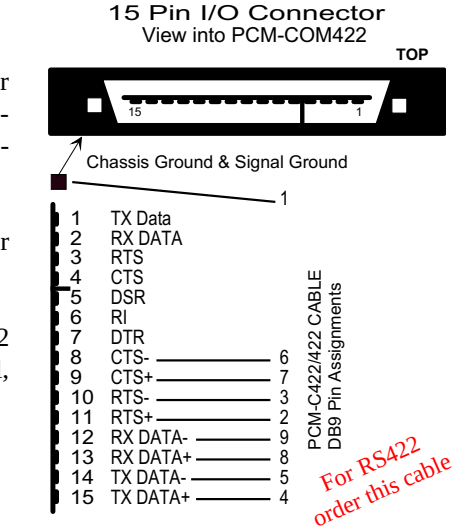
STANDARD DB9 to PCM D15 CABLES for RS232 and RS422 INTERFACES



Shown here is the PCM-COM422 15 pin connector and the corresponding DB9 RS232 cable schematic (to the left), and DB9 to RS422 cable schematic (to the right).

The type of interface you are using, RS232 or RS422 is a function of the cable you use.

You must order a cable with your PCM-COM422 and it should be for the communication protocol, RS232 or RS422, you intend to use.



COM422 Protocol Select

There are 4 possible protocol selections available to you:

1) Standard RS232 with RTS, DTR & CTS.
2) RS232 without RTS, DTR & CTS.
3) RS422 with RTS and CTS control signals.
4) RS422 without RTS & CTS.

The protocol is selected using InstaCal which is shipped with every board.

SPECIFICATIONS

	PCM-COM422
Protocol	RS232 & RS422
COM Ports	One
UART	16550
Power Consumption	+5V @ 25mA, -12V 0mA, +12V 0mA
Environmental	Operating Temp 0-50C, Storage -55 to 125C

PCMCIA Specialty Communications

PCM-COM485

Jameco Part Number 197907

FEATURES

RS485 Serial Interface, software enabled Tx & Rx
Network up to 4000 feet.
COM1, COM2, COM3 or COM4.
115K Baud.
16550 COM chip has 16 byte data buffer.

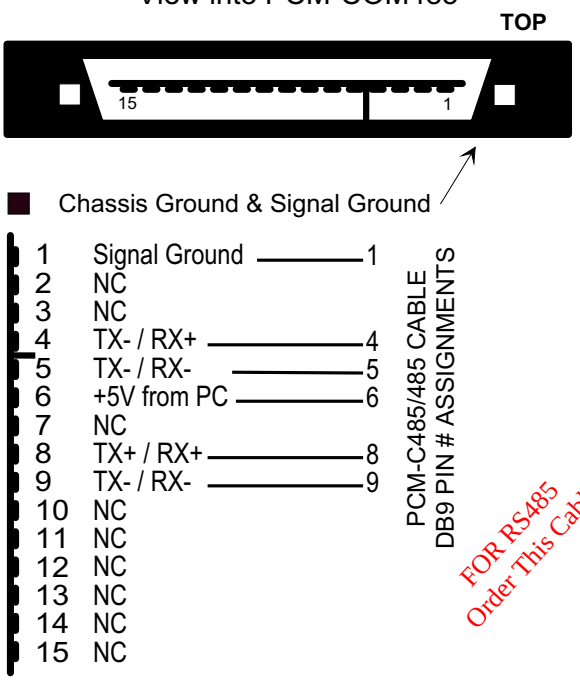
Designed for low-cost serial networks, the PCM-COM485 places the transmit and receive transceivers under software control. The RS485 standard allows for multiple transmitters as well as multiple receivers.

Individual RS485 devices may be located as far as 4000 feet from each other. The interfaces are not isolated so must share a common ground.

Shown here is the PCM-COM485 15 pin connector and the corresponding DB9 RS485 cable schematic.

You must order a cable with your PCM-COM485 and it must be the PCM-C485/485 cable. This 10" cable converts the very small and not common PCMCIA 15 pin connector into the common DB9 style.

15 Pin I/O Connector
View into PCM-COM485



COM LEVEL SELECTION

Communications software such as the standard COM drivers included with DOS and Windows use interrupt service routines assigned to specific interrupt numbers. The base address and interrupt level correspond to the COM number you select.

The COM1, 2, 3 or 4 selection is completed through software. All PCMCIA boards require that card and socket services be installed for that board. Part of the installation procedure involves setting the PCM-COM485 operation parameters using *Insta*Cal, the free installation, calibration and test program shipped with every ComputerBoards interface board.

Once installed, the PCM-COM485 responds to any software which can communicate with a standard DOS or Windows COM port.

SPECIFICATIONS

	PCM-COM485
Protocol	RS485
COM Ports	One
UART (Standard)	16550
Power Consumption	+5V @ 25mA, -12V 0mA, +12V 0mA
Environmental	Operating Temp 0-50C, Storage -55 to 125C

ORDERING GUIDE

RS232 or RS422 Serial Interface, Single Com Port	PCM-COM422
Cable for RS232 interface. 10 inch	PCM-C422/232
Cable for RS422 interface. 10 inch.	PCM-C422/422
RS485 Serial Interface, Single Com Port	PCM-COM485
Cable for RS485 interface. 10 inch.	PCM-C485/485